

# Global Industrial Machine Vision Technology Market 2024 by Company, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Industrial Machine Vision Technology market size was valued at USD million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of % during review period.

Machine vision (MV) is the technology and methods used to provide imaging-based automatic inspection and analysis for such applications as automatic inspection, process control, and robot guidance, usually in industry. Machine vision refers to many technologies, software and hardware products, integrated systems, actions, methods and expertise. Machine vision as a systems engineering discipline can be considered distinct from computer vision, a form of computer science. It attempts to integrate existing technologies in new ways and apply them to solve real world problems. The term is the prevalent one for these functions in industrial automation environments but is also used for these functions in other environment vehicle guidance.

The Global Info Research report includes an overview of the development of the Industrial Machine Vision Technology industry chain, the market status of Manufacturing (Hardware, Software), Medical and Life Sciences (Hardware, Software), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Industrial Machine Vision Technology.

Regionally, the report analyzes the Industrial Machine Vision Technology markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Industrial Machine Vision Technology market, with robust

domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Industrial Machine Vision Technology market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Industrial Machine Vision Technology industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the revenue generated, and market share of different by Type (e.g., Hardware, Software).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Industrial Machine Vision Technology market.

**Regional Analysis:** The report involves examining the Industrial Machine Vision Technology market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Industrial Machine Vision Technology market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Industrial Machine Vision Technology:

**Company Analysis:** Report covers individual Industrial Machine Vision Technology players, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Industrial Machine Vision Technology. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Manufacturing, Medical and Life Sciences).

**Technology Analysis:** Report covers specific technologies relevant to Industrial Machine Vision Technology. It assesses the current state, advancements, and potential future developments in Industrial Machine Vision Technology areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Industrial Machine Vision Technology market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Industrial Machine Vision Technology market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of value.

### Market segment by Type

Hardware

Software

Services

### Market segment by Application

Manufacturing

Medical and Life Sciences

Security and Surveillance

Intelligent Transportation System

Others

Market segment by players, this report covers

Basler

Teledyne

FLIR Systems Inc

Jai

Cognex

Vieworks Co., Ltd.

Baumer

Microscan Systems (Omron)

Sony

Toshiba Teli

National Instruments

IDS

The Imaging Source

Daheng Image

HIK Vision

TKH Group

Huaray Tech

Omron

CIS Corporation

Dahua Technology

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Australia and Rest of Asia-Pacific)

South America (Brazil, Argentina and Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Industrial Machine Vision Technology product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Industrial Machine Vision Technology, with revenue, gross margin and global market share of Industrial Machine Vision Technology from 2019 to 2024.

Chapter 3, the Industrial Machine Vision Technology competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2019 to 2030.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2019 to 2024. and Industrial Machine Vision Technology market forecast, by regions, type and application, with consumption value, from 2025 to 2030.

Chapter 11, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Industrial Machine Vision Technology.

Chapter 13, to describe Industrial Machine Vision Technology research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

1.1 Product Overview and Scope of Industrial Machine Vision Technology

1.2 Market Estimation Caveats and Base Year

1.3 Classification of Industrial Machine Vision Technology by Type

1.3.1 Overview: Global Industrial Machine Vision Technology Market Size by Type: 2019 Versus 2023 Versus 2030

1.3.2 Global Industrial Machine Vision Technology Consumption Value Market Share by Type in 2023

1.3.3 Hardware

1.3.4 Software

1.3.5 Services

1.4 Global Industrial Machine Vision Technology Market by Application

1.4.1 Overview: Global Industrial Machine Vision Technology Market Size by Application: 2019 Versus 2023 Versus 2030

1.4.2 Manufacturing

1.4.3 Medical and Life Sciences

1.4.4 Security and Surveillance

1.4.5 Intelligent Transportation System

1.4.6 Others

1.5 Global Industrial Machine Vision Technology Market Size & Forecast

1.6 Global Industrial Machine Vision Technology Market Size and Forecast by Region

1.6.1 Global Industrial Machine Vision Technology Market Size by Region: 2019 VS 2023 VS 2030

1.6.2 Global Industrial Machine Vision Technology Market Size by Region, (2019-2030)

1.6.3 North America Industrial Machine Vision Technology Market Size and Prospect (2019-2030)

1.6.4 Europe Industrial Machine Vision Technology Market Size and Prospect (2019-2030)

1.6.5 Asia-Pacific Industrial Machine Vision Technology Market Size and Prospect (2019-2030)

1.6.6 South America Industrial Machine Vision Technology Market Size and Prospect (2019-2030)

1.6.7 Middle East and Africa Industrial Machine Vision Technology Market Size and Prospect (2019-2030)

## 2 COMPANY PROFILES

### 2.1 Basler

#### 2.1.1 Basler Details

#### 2.1.2 Basler Major Business

#### 2.1.3 Basler Industrial Machine Vision Technology Product and Solutions

#### 2.1.4 Basler Industrial Machine Vision Technology Revenue, Gross Margin and Market Share (2019-2024)

#### 2.1.5 Basler Recent Developments and Future Plans

### 2.2 Teledyne

#### 2.2.1 Teledyne Details

#### 2.2.2 Teledyne Major Business

#### 2.2.3 Teledyne Industrial Machine Vision Technology Product and Solutions

#### 2.2.4 Teledyne Industrial Machine Vision Technology Revenue, Gross Margin and Market Share (2019-2024)

#### 2.2.5 Teledyne Recent Developments and Future Plans

### 2.3 FLIR Systems Inc

#### 2.3.1 FLIR Systems Inc Details

#### 2.3.2 FLIR Systems Inc Major Business

#### 2.3.3 FLIR Systems Inc Industrial Machine Vision Technology Product and Solutions

#### 2.3.4 FLIR Systems Inc Industrial Machine Vision Technology Revenue, Gross Margin and Market Share (2019-2024)

#### 2.3.5 FLIR Systems Inc Recent Developments and Future Plans

### 2.4 Jai

#### 2.4.1 Jai Details

#### 2.4.2 Jai Major Business

#### 2.4.3 Jai Industrial Machine Vision Technology Product and Solutions

#### 2.4.4 Jai Industrial Machine Vision Technology Revenue, Gross Margin and Market Share (2019-2024)

#### 2.4.5 Jai Recent Developments and Future Plans

### 2.5 Cognex

#### 2.5.1 Cognex Details

#### 2.5.2 Cognex Major Business

#### 2.5.3 Cognex Industrial Machine Vision Technology Product and Solutions

#### 2.5.4 Cognex Industrial Machine Vision Technology Revenue, Gross Margin and Market Share (2019-2024)

#### 2.5.5 Cognex Recent Developments and Future Plans

### 2.6 Vieworks Co., Ltd.

#### 2.6.1 Vieworks Co., Ltd. Details



- 2.6.2 Vieworks Co., Ltd. Major Business
- 2.6.3 Vieworks Co., Ltd. Industrial Machine Vision Technology Product and Solutions
- 2.6.4 Vieworks Co., Ltd. Industrial Machine Vision Technology Revenue, Gross Margin and Market Share (2019-2024)
- 2.6.5 Vieworks Co., Ltd. Recent Developments and Future Plans
- 2.7 Baumer
  - 2.7.1 Baumer Details
  - 2.7.2 Baumer Major Business
  - 2.7.3 Baumer Industrial Machine Vision Technology Product and Solutions
  - 2.7.4 Baumer Industrial Machine Vision Technology Revenue, Gross Margin and Market Share (2019-2024)
  - 2.7.5 Baumer Recent Developments and Future Plans
- 2.8 Microscan Systems (Omron)
  - 2.8.1 Microscan Systems (Omron) Details
  - 2.8.2 Microscan Systems (Omron) Major Business
  - 2.8.3 Microscan Systems (Omron) Industrial Machine Vision Technology Product and Solutions
  - 2.8.4 Microscan Systems (Omron) Industrial Machine Vision Technology Revenue, Gross Margin and Market Share (2019-2024)
  - 2.8.5 Microscan Systems (Omron) Recent Developments and Future Plans
- 2.9 Sony
  - 2.9.1 Sony Details
  - 2.9.2 Sony Major Business
  - 2.9.3 Sony Industrial Machine Vision Technology Product and Solutions
  - 2.9.4 Sony Industrial Machine Vision Technology Revenue, Gross Margin and Market Share (2019-2024)
  - 2.9.5 Sony Recent Developments and Future Plans
- 2.10 Toshiba Teli
  - 2.10.1 Toshiba Teli Details
  - 2.10.2 Toshiba Teli Major Business
  - 2.10.3 Toshiba Teli Industrial Machine Vision Technology Product and Solutions
  - 2.10.4 Toshiba Teli Industrial Machine Vision Technology Revenue, Gross Margin and Market Share (2019-2024)
  - 2.10.5 Toshiba Teli Recent Developments and Future Plans
- 2.11 National Instruments
  - 2.11.1 National Instruments Details
  - 2.11.2 National Instruments Major Business
  - 2.11.3 National Instruments Industrial Machine Vision Technology Product and Solutions

- 2.11.4 National Instruments Industrial Machine Vision Technology Revenue, Gross Margin and Market Share (2019-2024)
- 2.11.5 National Instruments Recent Developments and Future Plans
- 2.12 IDS
  - 2.12.1 IDS Details
  - 2.12.2 IDS Major Business
  - 2.12.3 IDS Industrial Machine Vision Technology Product and Solutions
  - 2.12.4 IDS Industrial Machine Vision Technology Revenue, Gross Margin and Market Share (2019-2024)
  - 2.12.5 IDS Recent Developments and Future Plans
- 2.13 The Imaging Source
  - 2.13.1 The Imaging Source Details
  - 2.13.2 The Imaging Source Major Business
  - 2.13.3 The Imaging Source Industrial Machine Vision Technology Product and Solutions
  - 2.13.4 The Imaging Source Industrial Machine Vision Technology Revenue, Gross Margin and Market Share (2019-2024)
  - 2.13.5 The Imaging Source Recent Developments and Future Plans
- 2.14 Daheng Image
  - 2.14.1 Daheng Image Details
  - 2.14.2 Daheng Image Major Business
  - 2.14.3 Daheng Image Industrial Machine Vision Technology Product and Solutions
  - 2.14.4 Daheng Image Industrial Machine Vision Technology Revenue, Gross Margin and Market Share (2019-2024)
  - 2.14.5 Daheng Image Recent Developments and Future Plans
- 2.15 HIK Vision
  - 2.15.1 HIK Vision Details
  - 2.15.2 HIK Vision Major Business
  - 2.15.3 HIK Vision Industrial Machine Vision Technology Product and Solutions
  - 2.15.4 HIK Vision Industrial Machine Vision Technology Revenue, Gross Margin and Market Share (2019-2024)
  - 2.15.5 HIK Vision Recent Developments and Future Plans
- 2.16 TKH Group
  - 2.16.1 TKH Group Details
  - 2.16.2 TKH Group Major Business
  - 2.16.3 TKH Group Industrial Machine Vision Technology Product and Solutions
  - 2.16.4 TKH Group Industrial Machine Vision Technology Revenue, Gross Margin and Market Share (2019-2024)
  - 2.16.5 TKH Group Recent Developments and Future Plans

## 2.17 Huaray Tech

### 2.17.1 Huaray Tech Details

### 2.17.2 Huaray Tech Major Business

### 2.17.3 Huaray Tech Industrial Machine Vision Technology Product and Solutions

### 2.17.4 Huaray Tech Industrial Machine Vision Technology Revenue, Gross Margin and Market Share (2019-2024)

### 2.17.5 Huaray Tech Recent Developments and Future Plans

## 2.18 Omron

### 2.18.1 Omron Details

### 2.18.2 Omron Major Business

### 2.18.3 Omron Industrial Machine Vision Technology Product and Solutions

### 2.18.4 Omron Industrial Machine Vision Technology Revenue, Gross Margin and Market Share (2019-2024)

### 2.18.5 Omron Recent Developments and Future Plans

## 2.19 CIS Corporation

### 2.19.1 CIS Corporation Details

### 2.19.2 CIS Corporation Major Business

### 2.19.3 CIS Corporation Industrial Machine Vision Technology Product and Solutions

### 2.19.4 CIS Corporation Industrial Machine Vision Technology Revenue, Gross Margin and Market Share (2019-2024)

### 2.19.5 CIS Corporation Recent Developments and Future Plans

## 2.20 Dahua Technology

### 2.20.1 Dahua Technology Details

### 2.20.2 Dahua Technology Major Business

### 2.20.3 Dahua Technology Industrial Machine Vision Technology Product and Solutions

### 2.20.4 Dahua Technology Industrial Machine Vision Technology Revenue, Gross Margin and Market Share (2019-2024)

### 2.20.5 Dahua Technology Recent Developments and Future Plans

## **3 MARKET COMPETITION, BY PLAYERS**

### 3.1 Global Industrial Machine Vision Technology Revenue and Share by Players (2019-2024)

### 3.2 Market Share Analysis (2023)

#### 3.2.1 Market Share of Industrial Machine Vision Technology by Company Revenue

#### 3.2.2 Top 3 Industrial Machine Vision Technology Players Market Share in 2023

#### 3.2.3 Top 6 Industrial Machine Vision Technology Players Market Share in 2023

### 3.3 Industrial Machine Vision Technology Market: Overall Company Footprint Analysis

#### 3.3.1 Industrial Machine Vision Technology Market: Region Footprint

3.3.2 Industrial Machine Vision Technology Market: Company Product Type Footprint

3.3.3 Industrial Machine Vision Technology Market: Company Product Application Footprint

3.4 New Market Entrants and Barriers to Market Entry

3.5 Mergers, Acquisition, Agreements, and Collaborations

## **4 MARKET SIZE SEGMENT BY TYPE**

4.1 Global Industrial Machine Vision Technology Consumption Value and Market Share by Type (2019-2024)

4.2 Global Industrial Machine Vision Technology Market Forecast by Type (2025-2030)

## **5 MARKET SIZE SEGMENT BY APPLICATION**

5.1 Global Industrial Machine Vision Technology Consumption Value Market Share by Application (2019-2024)

5.2 Global Industrial Machine Vision Technology Market Forecast by Application (2025-2030)

## **6 NORTH AMERICA**

6.1 North America Industrial Machine Vision Technology Consumption Value by Type (2019-2030)

6.2 North America Industrial Machine Vision Technology Consumption Value by Application (2019-2030)

6.3 North America Industrial Machine Vision Technology Market Size by Country

6.3.1 North America Industrial Machine Vision Technology Consumption Value by Country (2019-2030)

6.3.2 United States Industrial Machine Vision Technology Market Size and Forecast (2019-2030)

6.3.3 Canada Industrial Machine Vision Technology Market Size and Forecast (2019-2030)

6.3.4 Mexico Industrial Machine Vision Technology Market Size and Forecast (2019-2030)

## **7 EUROPE**

7.1 Europe Industrial Machine Vision Technology Consumption Value by Type (2019-2030)

7.2 Europe Industrial Machine Vision Technology Consumption Value by Application (2019-2030)

7.3 Europe Industrial Machine Vision Technology Market Size by Country

7.3.1 Europe Industrial Machine Vision Technology Consumption Value by Country (2019-2030)

7.3.2 Germany Industrial Machine Vision Technology Market Size and Forecast (2019-2030)

7.3.3 France Industrial Machine Vision Technology Market Size and Forecast (2019-2030)

7.3.4 United Kingdom Industrial Machine Vision Technology Market Size and Forecast (2019-2030)

7.3.5 Russia Industrial Machine Vision Technology Market Size and Forecast (2019-2030)

7.3.6 Italy Industrial Machine Vision Technology Market Size and Forecast (2019-2030)

## **8 ASIA-PACIFIC**

8.1 Asia-Pacific Industrial Machine Vision Technology Consumption Value by Type (2019-2030)

8.2 Asia-Pacific Industrial Machine Vision Technology Consumption Value by Application (2019-2030)

8.3 Asia-Pacific Industrial Machine Vision Technology Market Size by Region

8.3.1 Asia-Pacific Industrial Machine Vision Technology Consumption Value by Region (2019-2030)

8.3.2 China Industrial Machine Vision Technology Market Size and Forecast (2019-2030)

8.3.3 Japan Industrial Machine Vision Technology Market Size and Forecast (2019-2030)

8.3.4 South Korea Industrial Machine Vision Technology Market Size and Forecast (2019-2030)

8.3.5 India Industrial Machine Vision Technology Market Size and Forecast (2019-2030)

8.3.6 Southeast Asia Industrial Machine Vision Technology Market Size and Forecast (2019-2030)

8.3.7 Australia Industrial Machine Vision Technology Market Size and Forecast (2019-2030)

## **9 SOUTH AMERICA**

9.1 South America Industrial Machine Vision Technology Consumption Value by Type (2019-2030)

9.2 South America Industrial Machine Vision Technology Consumption Value by Application (2019-2030)

9.3 South America Industrial Machine Vision Technology Market Size by Country

9.3.1 South America Industrial Machine Vision Technology Consumption Value by Country (2019-2030)

9.3.2 Brazil Industrial Machine Vision Technology Market Size and Forecast (2019-2030)

9.3.3 Argentina Industrial Machine Vision Technology Market Size and Forecast (2019-2030)

## **10 MIDDLE EAST & AFRICA**

10.1 Middle East & Africa Industrial Machine Vision Technology Consumption Value by Type (2019-2030)

10.2 Middle East & Africa Industrial Machine Vision Technology Consumption Value by Application (2019-2030)

10.3 Middle East & Africa Industrial Machine Vision Technology Market Size by Country

10.3.1 Middle East & Africa Industrial Machine Vision Technology Consumption Value by Country (2019-2030)

10.3.2 Turkey Industrial Machine Vision Technology Market Size and Forecast (2019-2030)

10.3.3 Saudi Arabia Industrial Machine Vision Technology Market Size and Forecast (2019-2030)

10.3.4 UAE Industrial Machine Vision Technology Market Size and Forecast (2019-2030)

## **11 MARKET DYNAMICS**

11.1 Industrial Machine Vision Technology Market Drivers

11.2 Industrial Machine Vision Technology Market Restraints

11.3 Industrial Machine Vision Technology Trends Analysis

11.4 Porters Five Forces Analysis

11.4.1 Threat of New Entrants

11.4.2 Bargaining Power of Suppliers

11.4.3 Bargaining Power of Buyers

11.4.4 Threat of Substitutes

11.4.5 Competitive Rivalry

## **12 INDUSTRY CHAIN ANALYSIS**

12.1 Industrial Machine Vision Technology Industry Chain

12.2 Industrial Machine Vision Technology Upstream Analysis

12.3 Industrial Machine Vision Technology Midstream Analysis

12.4 Industrial Machine Vision Technology Downstream Analysis

## **13 RESEARCH FINDINGS AND CONCLUSION**

## **14 APPENDIX**

14.1 Methodology

14.2 Research Process and Data Source

14.3 Disclaimer



## List Of Tables

### LIST OF TABLES

Table 1. Global Industrial Machine Vision Technology Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Industrial Machine Vision Technology Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. Global Industrial Machine Vision Technology Consumption Value by Region (2019-2024) & (USD Million)

Table 4. Global Industrial Machine Vision Technology Consumption Value by Region (2025-2030) & (USD Million)

Table 5. Basler Company Information, Head Office, and Major Competitors

Table 6. Basler Major Business

Table 7. Basler Industrial Machine Vision Technology Product and Solutions

Table 8. Basler Industrial Machine Vision Technology Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 9. Basler Recent Developments and Future Plans

Table 10. Teledyne Company Information, Head Office, and Major Competitors

Table 11. Teledyne Major Business

Table 12. Teledyne Industrial Machine Vision Technology Product and Solutions

Table 13. Teledyne Industrial Machine Vision Technology Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 14. Teledyne Recent Developments and Future Plans

Table 15. FLIR Systems Inc Company Information, Head Office, and Major Competitors

Table 16. FLIR Systems Inc Major Business

Table 17. FLIR Systems Inc Industrial Machine Vision Technology Product and Solutions

Table 18. FLIR Systems Inc Industrial Machine Vision Technology Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 19. FLIR Systems Inc Recent Developments and Future Plans

Table 20. Jai Company Information, Head Office, and Major Competitors

Table 21. Jai Major Business

Table 22. Jai Industrial Machine Vision Technology Product and Solutions

Table 23. Jai Industrial Machine Vision Technology Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 24. Jai Recent Developments and Future Plans

Table 25. Cognex Company Information, Head Office, and Major Competitors

Table 26. Cognex Major Business



- Table 27. Cognex Industrial Machine Vision Technology Product and Solutions
- Table 28. Cognex Industrial Machine Vision Technology Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 29. Cognex Recent Developments and Future Plans
- Table 30. Vieworks Co., Ltd. Company Information, Head Office, and Major Competitors
- Table 31. Vieworks Co., Ltd. Major Business
- Table 32. Vieworks Co., Ltd. Industrial Machine Vision Technology Product and Solutions
- Table 33. Vieworks Co., Ltd. Industrial Machine Vision Technology Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 34. Vieworks Co., Ltd. Recent Developments and Future Plans
- Table 35. Baumer Company Information, Head Office, and Major Competitors
- Table 36. Baumer Major Business
- Table 37. Baumer Industrial Machine Vision Technology Product and Solutions
- Table 38. Baumer Industrial Machine Vision Technology Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 39. Baumer Recent Developments and Future Plans
- Table 40. Microscan Systems (Omron) Company Information, Head Office, and Major Competitors
- Table 41. Microscan Systems (Omron) Major Business
- Table 42. Microscan Systems (Omron) Industrial Machine Vision Technology Product and Solutions
- Table 43. Microscan Systems (Omron) Industrial Machine Vision Technology Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 44. Microscan Systems (Omron) Recent Developments and Future Plans
- Table 45. Sony Company Information, Head Office, and Major Competitors
- Table 46. Sony Major Business
- Table 47. Sony Industrial Machine Vision Technology Product and Solutions
- Table 48. Sony Industrial Machine Vision Technology Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 49. Sony Recent Developments and Future Plans
- Table 50. Toshiba Teli Company Information, Head Office, and Major Competitors
- Table 51. Toshiba Teli Major Business
- Table 52. Toshiba Teli Industrial Machine Vision Technology Product and Solutions
- Table 53. Toshiba Teli Industrial Machine Vision Technology Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 54. Toshiba Teli Recent Developments and Future Plans
- Table 55. National Instruments Company Information, Head Office, and Major Competitors

Table 56. National Instruments Major Business

Table 57. National Instruments Industrial Machine Vision Technology Product and Solutions

Table 58. National Instruments Industrial Machine Vision Technology Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 59. National Instruments Recent Developments and Future Plans

Table 60. IDS Company Information, Head Office, and Major Competitors

Table 61. IDS Major Business

Table 62. IDS Industrial Machine Vision Technology Product and Solutions

Table 63. IDS Industrial Machine Vision Technology Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 64. IDS Recent Developments and Future Plans

Table 65. The Imaging Source Company Information, Head Office, and Major Competitors

Table 66. The Imaging Source Major Business

Table 67. The Imaging Source Industrial Machine Vision Technology Product and Solutions

Table 68. The Imaging Source Industrial Machine Vision Technology Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 69. The Imaging Source Recent Developments and Future Plans

Table 70. Daheng Image Company Information, Head Office, and Major Competitors

Table 71. Daheng Image Major Business

Table 72. Daheng Image Industrial Machine Vision Technology Product and Solutions

Table 73. Daheng Image Industrial Machine Vision Technology Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 74. Daheng Image Recent Developments and Future Plans

Table 75. HIK Vision Company Information, Head Office, and Major Competitors

Table 76. HIK Vision Major Business

Table 77. HIK Vision Industrial Machine Vision Technology Product and Solutions

Table 78. HIK Vision Industrial Machine Vision Technology Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 79. HIK Vision Recent Developments and Future Plans

Table 80. TKH Group Company Information, Head Office, and Major Competitors

Table 81. TKH Group Major Business

Table 82. TKH Group Industrial Machine Vision Technology Product and Solutions

Table 83. TKH Group Industrial Machine Vision Technology Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 84. TKH Group Recent Developments and Future Plans

Table 85. Huaray Tech Company Information, Head Office, and Major Competitors

Table 86. Huaray Tech Major Business

Table 87. Huaray Tech Industrial Machine Vision Technology Product and Solutions

Table 88. Huaray Tech Industrial Machine Vision Technology Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 89. Huaray Tech Recent Developments and Future Plans

Table 90. Omron Company Information, Head Office, and Major Competitors

Table 91. Omron Major Business

Table 92. Omron Industrial Machine Vision Technology Product and Solutions

Table 93. Omron Industrial Machine Vision Technology Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 94. Omron Recent Developments and Future Plans

Table 95. CIS Corporation Company Information, Head Office, and Major Competitors

Table 96. CIS Corporation Major Business

Table 97. CIS Corporation Industrial Machine Vision Technology Product and Solutions

Table 98. CIS Corporation Industrial Machine Vision Technology Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 99. CIS Corporation Recent Developments and Future Plans

Table 100. Dahua Technology Company Information, Head Office, and Major Competitors

Table 101. Dahua Technology Major Business

Table 102. Dahua Technology Industrial Machine Vision Technology Product and Solutions

Table 103. Dahua Technology Industrial Machine Vision Technology Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 104. Dahua Technology Recent Developments and Future Plans

Table 105. Global Industrial Machine Vision Technology Revenue (USD Million) by Players (2019-2024)

Table 106. Global Industrial Machine Vision Technology Revenue Share by Players (2019-2024)

Table 107. Breakdown of Industrial Machine Vision Technology by Company Type (Tier 1, Tier 2, and Tier 3)

Table 108. Market Position of Players in Industrial Machine Vision Technology, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2023

Table 109. Head Office of Key Industrial Machine Vision Technology Players

Table 110. Industrial Machine Vision Technology Market: Company Product Type Footprint

Table 111. Industrial Machine Vision Technology Market: Company Product Application Footprint

Table 112. Industrial Machine Vision Technology New Market Entrants and Barriers to

## Market Entry

Table 113. Industrial Machine Vision Technology Mergers, Acquisition, Agreements, and Collaborations

Table 114. Global Industrial Machine Vision Technology Consumption Value (USD Million) by Type (2019-2024)

Table 115. Global Industrial Machine Vision Technology Consumption Value Share by Type (2019-2024)

Table 116. Global Industrial Machine Vision Technology Consumption Value Forecast by Type (2025-2030)

Table 117. Global Industrial Machine Vision Technology Consumption Value by Application (2019-2024)

Table 118. Global Industrial Machine Vision Technology Consumption Value Forecast by Application (2025-2030)

Table 119. North America Industrial Machine Vision Technology Consumption Value by Type (2019-2024) & (USD Million)

Table 120. North America Industrial Machine Vision Technology Consumption Value by Type (2025-2030) & (USD Million)

Table 121. North America Industrial Machine Vision Technology Consumption Value by Application (2019-2024) & (USD Million)

Table 122. North America Industrial Machine Vision Technology Consumption Value by Application (2025-2030) & (USD Million)

Table 123. North America Industrial Machine Vision Technology Consumption Value by Country (2019-2024) & (USD Million)

Table 124. North America Industrial Machine Vision Technology Consumption Value by Country (2025-2030) & (USD Million)

Table 125. Europe Industrial Machine Vision Technology Consumption Value by Type (2019-2024) & (USD Million)

Table 126. Europe Industrial Machine Vision Technology Consumption Value by Type (2025-2030) & (USD Million)

Table 127. Europe Industrial Machine Vision Technology Consumption Value by Application (2019-2024) & (USD Million)

Table 128. Europe Industrial Machine Vision Technology Consumption Value by Application (2025-2030) & (USD Million)

Table 129. Europe Industrial Machine Vision Technology Consumption Value by Country (2019-2024) & (USD Million)

Table 130. Europe Industrial Machine Vision Technology Consumption Value by Country (2025-2030) & (USD Million)

Table 131. Asia-Pacific Industrial Machine Vision Technology Consumption Value by Type (2019-2024) & (USD Million)

Table 132. Asia-Pacific Industrial Machine Vision Technology Consumption Value by Type (2025-2030) & (USD Million)

Table 133. Asia-Pacific Industrial Machine Vision Technology Consumption Value by Application (2019-2024) & (USD Million)

Table 134. Asia-Pacific Industrial Machine Vision Technology Consumption Value by Application (2025-2030) & (USD Million)

Table 135. Asia-Pacific Industrial Machine Vision Technology Consumption Value by Region (2019-2024) & (USD Million)

Table 136. Asia-Pacific Industrial Machine Vision Technology Consumption Value by Region (2025-2030) & (USD Million)

Table 137. South America Industrial Machine Vision Technology Consumption Value by Type (2019-2024) & (USD Million)

Table 138. South America Industrial Machine Vision Technology Consumption Value by Type (2025-2030) & (USD Million)

Table 139. South America Industrial Machine Vision Technology Consumption Value by Application (2019-2024) & (USD Million)

Table 140. South America Industrial Machine Vision Technology Consumption Value by Application (2025-2030) & (USD Million)

Table 141. South America Industrial Machine Vision Technology Consumption Value by Country (2019-2024) & (USD Million)

Table 142. South America Industrial Machine Vision Technology Consumption Value by Country (2025-2030) & (USD Million)

Table 143. Middle East & Africa Industrial Machine Vision Technology Consumption Value by Type (2019-2024) & (USD Million)

Table 144. Middle East & Africa Industrial Machine Vision Technology Consumption Value by Type (2025-2030) & (USD Million)

Table 145. Middle East & Africa Industrial Machine Vision Technology Consumption Value by Application (2019-2024) & (USD Million)

Table 146. Middle East & Africa Industrial Machine Vision Technology Consumption Value by Application (2025-2030) & (USD Million)

Table 147. Middle East & Africa Industrial Machine Vision Technology Consumption Value by Country (2019-2024) & (USD Million)

Table 148. Middle East & Africa Industrial Machine Vision Technology Consumption Value by Country (2025-2030) & (USD Million)

Table 149. Industrial Machine Vision Technology Raw Material

Table 150. Key Suppliers of Industrial Machine Vision Technology Raw Materials

## LIST OF FIGURE

s



- Figure 1. Industrial Machine Vision Technology Picture
- Figure 2. Global Industrial Machine Vision Technology Consumption Value by Type, (USD Million), 2019 & 2023 & 2030
- Figure 3. Global Industrial Machine Vision Technology Consumption Value Market Share by Type in 2023
- Figure 4. Hardware
- Figure 5. Software
- Figure 6. Services
- Figure 7. Global Industrial Machine Vision Technology Consumption Value by Type, (USD Million), 2019 & 2023 & 2030
- Figure 8. Industrial Machine Vision Technology Consumption Value Market Share by Application in 2023
- Figure 9. Manufacturing Picture
- Figure 10. Medical and Life Sciences Picture
- Figure 11. Security and Surveillance Picture
- Figure 12. Intelligent Transportation System Picture
- Figure 13. Others Picture
- Figure 14. Global Industrial Machine Vision Technology Consumption Value, (USD Million): 2019 & 2023 & 2030
- Figure 15. Global Industrial Machine Vision Technology Consumption Value and Forecast (2019-2030) & (USD Million)
- Figure 16. Global Market Industrial Machine Vision Technology Consumption Value (USD Million) Comparison by Region (2019 & 2023 & 2030)
- Figure 17. Global Industrial Machine Vision Technology Consumption Value Market Share by Region (2019-2030)
- Figure 18. Global Industrial Machine Vision Technology Consumption Value Market Share by Region in 2023
- Figure 19. North America Industrial Machine Vision Technology Consumption Value (2019-2030) & (USD Million)
- Figure 20. Europe Industrial Machine Vision Technology Consumption Value (2019-2030) & (USD Million)
- Figure 21. Asia-Pacific Industrial Machine Vision Technology Consumption Value (2019-2030) & (USD Million)
- Figure 22. South America Industrial Machine Vision Technology Consumption Value (2019-2030) & (USD Million)
- Figure 23. Middle East and Africa Industrial Machine Vision Technology Consumption Value (2019-2030) & (USD Million)
- Figure 24. Global Industrial Machine Vision Technology Revenue Share by Players in 2023

- Figure 25. Industrial Machine Vision Technology Market Share by Company Type (Tier 1, Tier 2 and Tier 3) in 2023
- Figure 26. Global Top 3 Players Industrial Machine Vision Technology Market Share in 2023
- Figure 27. Global Top 6 Players Industrial Machine Vision Technology Market Share in 2023
- Figure 28. Global Industrial Machine Vision Technology Consumption Value Share by Type (2019-2024)
- Figure 29. Global Industrial Machine Vision Technology Market Share Forecast by Type (2025-2030)
- Figure 30. Global Industrial Machine Vision Technology Consumption Value Share by Application (2019-2024)
- Figure 31. Global Industrial Machine Vision Technology Market Share Forecast by Application (2025-2030)
- Figure 32. North America Industrial Machine Vision Technology Consumption Value Market Share by Type (2019-2030)
- Figure 33. North America Industrial Machine Vision Technology Consumption Value Market Share by Application (2019-2030)
- Figure 34. North America Industrial Machine Vision Technology Consumption Value Market Share by Country (2019-2030)
- Figure 35. United States Industrial Machine Vision Technology Consumption Value (2019-2030) & (USD Million)
- Figure 36. Canada Industrial Machine Vision Technology Consumption Value (2019-2030) & (USD Million)
- Figure 37. Mexico Industrial Machine Vision Technology Consumption Value (2019-2030) & (USD Million)
- Figure 38. Europe Industrial Machine Vision Technology Consumption Value Market Share by Type (2019-2030)
- Figure 39. Europe Industrial Machine Vision Technology Consumption Value Market Share by Application (2019-2030)
- Figure 40. Europe Industrial Machine Vision Technology Consumption Value Market Share by Country (2019-2030)
- Figure 41. Germany Industrial Machine Vision Technology Consumption Value (2019-2030) & (USD Million)
- Figure 42. France Industrial Machine Vision Technology Consumption Value (2019-2030) & (USD Million)
- Figure 43. United Kingdom Industrial Machine Vision Technology Consumption Value (2019-2030) & (USD Million)
- Figure 44. Russia Industrial Machine Vision Technology Consumption Value

(2019-2030) & (USD Million)

Figure 45. Italy Industrial Machine Vision Technology Consumption Value (2019-2030) & (USD Million)

Figure 46. Asia-Pacific Industrial Machine Vision Technology Consumption Value Market Share by Type (2019-2030)

Figure 47. Asia-Pacific Industrial Machine Vision Technology Consumption Value Market Share by Application (2019-2030)

Figure 48. Asia-Pacific Industrial Machine Vision Technology Consumption Value Market Share by Region (2019-2030)

Figure 49. China Industrial Machine Vision Technology Consumption Value (2019-2030) & (USD Million)

Figure 50. Japan Industrial Machine Vision Technology Consumption Value (2019-2030) & (USD Million)

Figure 51. South Korea Industrial Machine Vision Technology Consumption Value (2019-2030) & (USD Million)

Figure 52. India Industrial Machine Vision Technology Consumption Value (2019-2030) & (USD Million)

Figure 53. Southeast Asia Industrial Machine Vision Technology Consumption Value (2019-2030) & (USD Million)

Figure 54. Australia Industrial Machine Vision Technology Consumption Value (2019-2030) & (USD Million)

Figure 55. South America Industrial Machine Vision Technology Consumption Value Market Share by Type (2019-2030)

Figure 56. South America Industrial Machine Vision Technology Consumption Value Market Share by Application (2019-2030)

Figure 57. South America Industrial Machine Vision Technology Consumption Value Market Share by Country (2019-2030)

Figure 58. Brazil Industrial Machine Vision Technology Consumption Value (2019-2030) & (USD Million)

Figure 59. Argentina Industrial Machine Vision Technology Consumption Value (2019-2030) & (USD Million)

Figure 60. Middle East and Africa Industrial Machine Vision Technology Consumption Value Market Share by Type (2019-2030)

Figure 61. Middle East and Africa Industrial Machine Vision Technology Consumption Value Market Share by Application (2019-2030)

Figure 62. Middle East and Africa Industrial Machine Vision Technology Consumption Value Market Share by Country (2019-2030)

Figure 63. Turkey Industrial Machine Vision Technology Consumption Value (2019-2030) & (USD Million)



Figure 64. Saudi Arabia Industrial Machine Vision Technology Consumption Value (2019-2030) & (USD Million)

Figure 65. UAE Industrial Machine Vision Technology Consumption Value (2019-2030) & (USD Million)

Figure 66. Industrial Machine Vision Technology Market Drivers

Figure 67. Industrial Machine Vision Technology Market Restraints

Figure 68. Industrial Machine Vision Technology Market Trends

Figure 69. Porters Five Forces Analysis

Figure 70. Manufacturing Cost Structure Analysis of Industrial Machine Vision Technology in 2023

Figure 71. Manufacturing Process Analysis of Industrial Machine Vision Technology

Figure 72. Industrial Machine Vision Technology Industrial Chain

Figure 73. Methodology

Figure 74. Research Process and Data Source

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